

Abstract**Coil array for imaging magnetic resonance with reduced coupling  
between adjacent coils**

Proposed is an 1. Imaging device for use in nuclear magnetic resonance (NMR) using coils (1) that serve for the transmission and/or reception of the frequency signals (Larmor frequency) and which are assembled in fields (arrays), the individual coil (1) consisting of a conductor path, which defines an area (2) and an electrical conductor (3) being disposed in the area (2) and being arranged outside or inside with respect to the coil (1), completely surrounding said coil and being closed.

- Fig. 1 -